

Chronology of Events (All times are Local Eastern Daylight Time)

ALL ENTRIES HEREIN ARE PRELIMINARY AND SUBJECT TO CHANGE UPON RECEIPT OF NEW OR CORRECTED INFORMATION. DATA ARE FOR OFFICIAL USE ONLY.

Approximately 9AM: Construction worker Richard Knowles, pilot West 4 Street and LaGuardia Place at construction site reports 767 hit 80<sup>th</sup> floor [REDACTED] Richard Knowles)

Per AEA-505 NY AFSS advised Richard Nolan [REDACTED] [REDACTED] called to report incident. F. Schurat AEA-700 advised.

AAL77 IAD-LAX York lost over Indian @ 350

[REDACTED] AT Command Center

UAL175 North New Jersey - Ghost Target

9:20AM ZNY-ATC-Zero  
AAL-11 confirmed Boston

9:25AM Data-radar data dump: AAL11 McCormick confirmed hit  
AAL77 Lost at 9:25AM York Kentucky  
UAL175 Possible IAD arrival at IGN

9:30AM UAL175 Ron Ruggeri advises nothing from Newark  
9:34AM Moving VFR away possible Military IAD no knowledge possible National (DCA) hotline activation

9:35AM Maybe not AAL11 into WTC per McCormick  
9:35AM DCA notified check Hotline activated; primary 3 miles south, now 1 mile  
9:40 AM UAL175 501 confirmed from Canoels out of BOS  
9:40AM Flight hitting west side of Pentagon by VFR  
9:42AM DAL1989 Boston to LAX on ground hijack  
UAL93 Bomb threat airborne ZOB reported by ZBW from EWR  
9:43AM East Moving VFR to White House per John Hendershod IAD OM 6 miles SW  
9:44AM IAD grounding aircraft getting airborne aircraft on ground  
9:45AM AI movement times requested (Florida)  
9:47AM UAL93 descending in ZOB airspace south of Akron, OH  
9:50 AM DAL1989 Hijack BOS-LAX near DRIER VOR B767  
9:52 AM PIT evacuation of tower  
9:55AM All commercial traffic on ground in Washington Area BWI/DCA/ADW/IAD  
9:56AM AEA-500 attempting to contact facilities  
9:57AM N90 update 1203Z POU VFR 160 southbound headed to WTC  
9:58AM UAL93 heading SE to Washington Area  
DAL1989 landing at CLE

10:01AM East southeast PIT 40 miles squawking 7500 UAL93 North  
10:01 AM Possible another hijack  
10:03AM Aircraft destined for USA diverting to Canada overflight; domestic stop  
10:05AM Telcon with Manager/National Emergency  
10:05AM Evacuate White House, Pentagon  
10:06AM N90 Evacuation leaving 5 controllers in each area  
10:06AM ZOB AFSS  
10:06AM 501 decides to retain essential personnel only but Managers may need to recall  
10:08AM ZOB - lost radar with UAL93 near Johnstown (JST), PA  
Check with TEB to broadcast on frequency 243.0, good to go, TEB to broadcast on ground

10:10AM Called IAD - no radar  
10:11AM UAL93 heading to Washington

[REDACTED] all Sabra for reliever airports (no connection)

10:14AM 60 miles northwest of DCA fast moving  
10:15AM UAL93 is down confirmed 40 Southeast JST, Somerset, PA  
10:16AM Fast westbound to Boston 16,000 reported by ZNY McCormick  
10:18AM A1 airborne  
10:19AM McCormick reported  
10:20AM IAG Full ATCT evacuation  
10:21AM DAL1989 on ground at CLE  
10:22 AM Sikorski Helicopter  
10:25AM NOTAM issued: Washington area airports closed  
Bob Brickley, IAD Support Spec. line into IAD  
10:27AM Brickley advises that DCA AFSS all airports in USA closed  
10:30AM TEB Medevac only - WTC collapses  
10:35AM Military aircraft  
10:37AM DAL1989 flaps up at CLE on ground  
10:40AM AAL77 ZKC airspace airborne  
10:44AM Request PHL open for landing  
10:46AM Per AEA-500 no aircraft except Military, Medevac and N4  
10:50AM N2 Leaving DCA cleared to MSY  
10:51AM ZBW FDIO-ATC-Zero over IAD (Boston ARTCC)  
10:52AM AT conference bridge [REDACTED] McCartney for AT facilities  
10:54AM TFR issued establishing 5 mile radius of WTC  
10:57AM N4 inbound DCA is cleared to land, Attorney General, ETA Noon, communications  
problems, destination ADW, diverted DCA  
10:58AM CLE ARTCC small plane - evacuating  
10:59AM AAL77 down Ashland, KY unconfirmed  
  
11:05AM 5 Medevac Helo's military refusing  
11:06AM N4 changing destination to DCA, we advised Canoles  
11:11AM per 500 IAD to relay for DCA, Security requesting General Kavinidy (ACS-1) to be  
picked up in Puerto Rico. FAA Hangar 6 wants to send to Puerto Rico, Hangar 6 to  
contact Pete Challan, Brickley to relay.  
11:14AM BWI staffing adequate - SWAP  
Law enforcement has not entered DAL1989.  
11:14AM ORF Coast Guard; 3 distress calls reported, per Guy White  
UAL947, AC065, COA57 flight plans not stored  
11:15AM AEA-505 Ruggeri calling Military  
11:16AM SCATANA Procedures for ANE/AEA by Military -Military will confirm  
11:17AM DAL1989 confirm Hijacking from AEA-700 (Arros) Security off tactical net  
ATCT talking to aircraft  
11:20AM LAX diverting to Ontario per Lee Connor, Security  
11:21AM DCA a lot of Military  
11:22AM JFK evacuated per Port Authority reported by George Dodelin, cel. [REDACTED] for  
Dodelin  
11:23AM DAL1989 taxiing to gate at CLE  
11:24AM AAL77 ZID no wreckage Ashland, KY  
11:25AM Ruth Marlin NATCA VP, Bob Tobin and Bill Peacock coming from MSY  
UAL23, Terminal 7, Gate 2; 3 Arabs refusing to get off plane at JFK  
11:27AM N4 15 minutes out of DCA per [REDACTED] ATS NET  
11:28AM Fighter escort for N4 into DCA [REDACTED] ATS NET  
11:30AM N4 75 miles from IAD

11:31AM Reference 11:14AM ORF : additional information; aircraft reporting from Consat Air Station, ALA877, COA51 these 2 aircraft getting the highest number of calls  
11:34AM General Kanivan Departed 11:30AM R108/680 Puerto Rico, West Palm Beach to Andrews  
11:35AM 3 Medevacs Helicopters BDL to NYC; 5 TEB Medevacs  
11:38AM N4 escort? 65 west IAD; Quid26 N4 Holding (waiting escort)  
11:39AM PAT108 Citation San Juan 60180 tail # to West Palm Beach to ADW; General Kanivan on board  
11:40AM Pentagon requesting to take ATC operation, Canoles no knowledge, NMCC LTC  
Bucknam ██████████ per Canoles dealing with military request.  
11:46AM N4 circling waiting for escort Life flights, each flight individually, case by case bases (parts) with Military, require Beacon codes. ZNY request release personnel – case by case basis. N4 28 West IAD heading DCA  
11:47AM COA57 and AC065 in Moncton airspace, AC065 reported OK  
11:48AM ATCS refusing to report to work NYC area - count ok now, Canoles advised  
11:49AM N4 10 west IAD  
11:50AM N4 over IAD  
11:51AM TEB still awaiting release for Medivac through service cell per Canoles need beacon codes and #'s.  
11:55AM N4 2 south of DCA. ORF: Coast Guard station reporting Airlala Cell # EICRL distress call  
11:56AM AGL 95 miles west of PIT  
11:57AM ERI evacuated twice  
11:58AM AEA-501 release ATD Eastbound first 2 persons to stay behind  
  
12:00 Noon Requesting Release for TEB medevacs #'s AEA-500 to Linda, HQTRS.  
N9LV 0344  
N121LF 0343  
N1930A 0345  
NSNJ 0347  
N886AH 0350  
N202SC 0353  
N302PS 0354  
12:00 Noon 2 VFR 15 East of IAD (think Military near Camp David); DCA working  
12:06PM Order 7610.4J SCATANA procedures page 6-31 dated 11/98  
12:08PM 14 USAirways, 3 in the air  
6 Helicopters BDL-NYC to Port Authority helipad to TEB  
12:09PM N2 has not departed no estimated departure  
12:11PM Deputy ATF-2, requesting MKC to near DCA  
12:11PM 7 Medevacs released out of TEB per Hqtrs  
12:14PM Satellite # ██████████ to Canoles  
7 TEB Medevacs wheels up  
12:15PM AEA-500 requesting call signs on all medevacs  
12:17PM C182 out of MGJ  
12:18PM 10 Major carriers accounted for all aircraft  
2 PM principals only TELCON per Canoles  
12:20PM N2 at DCA confirm type is LR31 ASDI  
12:21PM N2 rolling  
12:25PM 3 Helicopters Medevacs ABE-NYC waiting DOD approval  
N2 airborne (130 minutes to destination MSY)  
12:26PM COA57 on ground at Gander  
12:30PM UAL947 Returned to Gander  
AC069 unknown  
Per Canoles and McCormick  
12:32PM AEA-1 SECON D  
12:35PM Sikorski Helicopter N601S #1 WTC POU 1203Z

UA93 on ground Sommerset, PA  
AAL11 #2 WTC South turn around  
UAL175 WTC  
DAL1989 CLE  
AAL77 IAD LAX Postponed Still Missing  
12:35PM IAD gave [REDACTED] as # for medevac in ZDC  
12:35PM Elkins, WV scramble on Air carrier? MD88 being intercepted?  
12:45PM [REDACTED] FL350 one of theirs  
12:45PM [REDACTED] Military command post LTC Bucknam  
12:50PM Relocating Congress  
1:00PM Increase security level  
1:04PM Sikorski helicopter landed 20 minutes early, normal GE run at 1228Z to WTC  
1:04PM [REDACTED] 400 knots down Hudson  
1:10PM [REDACTED] terminated bridge with IAD  
1:10PM Coordination with ATSCC – medevac from Harrisburg (MDT) to crash site in PA  
1:11PM UAL175 radar data  
AAL11 requested from ALB 1200 codes from ALB Approach 1130Z to 1330Z  
1:13PM AAL11 voice recordings posted on FAA intranet – AEA-505 setting up recordings.  
No information on the website – reference tapes.  
1:15PM M. Cirillo wanted to set up line where AEA can approve medevac flights – need batch of codes  
1:18PM Unconfirmed report Korean Air Flight (KAL) 017 inbound to LAX being hijacked.  
1:24PM KAL 017 diverting into Vancouver, BC  
1:25PM NY Governor N879 code 5601 HPN to Manhattan  
1:26PM All information to Hqtrs to be via AAT-20 website  
1:31PM NORAD will not allow Medevac aircraft airborne  
1:33PM Military Helicopter circling nuclear plant [REDACTED] VP  
1:35PM NY State Police Department/SGT ADAR [REDACTED] N876 Governor Pataki on Helicopter HPN to East 34<sup>th</sup> street need clearance (5601 beacon code) denied due to unable to coordinate.  
1:36PM UAL flight from IAD to PIT all have emergency personnel on board tail number N949UA.  
1:38PM KAL85 squawking 7500.  
1:40PM UAL requesting to have aircraft fly to PIT for rescue aircraft out of IAD – request forward to Headquarters  
1:45PM 5601-5611 beacon codes for medevac aircraft provided to Headquarters for approval with military  
1:50PM Radar data and WAV file received from ZBW  
1:53PM No data to be released even internally per Canoles  
1:55PM Principals only TELCON.  
2:00PM Comm Center Reports citizens report B747 like aircraft coming down Hudson  
POU ATCT nothing Kingston Bridge to Beacon Bridge  
2:05PM Reported aircraft is thought to be KC135 north of LaGuardia  
2:07PM UAL93 SATORI – struggle 1328Z then 12 seconds climbed and descended over PIT and descended and crashed 40 east of PIT.  
2:10PM TSD shut off outside FAA  
2:15PM CNN is reporting flight paths as displayed on flightexplorer.com  
2:20PM N90 reports 1256Z 7 NW ARD beacon code 3321 Fl286 490KTS  
2:25PM ROSS 72 N172CV EF5055 HEF-Hilton Head, Deputy FBI Director) Released Beacon Code 07  
2:26PM FBI requests tapes will be confiscated AEA-500 advised S. Carper not to release tapes.  
New FDC NOTAM issued  
ANS – New Advisory has been issued Military/Lifeguard, Police can fly with approval of overlying center.  
2:35PM ZNY requested CISD  
2:40PM Advisory 41 – discrete beacon codes from overlying center

2:50PM Tony Mello NTAP/SATORI from ZNY/ZDC CDR IAD BWI DCA to RAPTOR format  
2:55PM Upload data on AAT site per Canoles – keep originals in facility.  
3:00PM USA930 hijack from Madrid not verified with PHL or DCA  
3:05PM McCormick advised to release SATORI on AAT web  
3:06PM N2 going to DCA  
3:07PM Ross72 beacon code 0573 IAD to HEF is approved.  
3:15PM Radar data requested from IAD/DCA  
3:16PM LAX ATCT evacuated due to bomb in parking Lot 2 per Tom Davidson  
3:25PM Additional explosive at LAX found in old terminal  
3:40PM All Towers with active military will stay open per Rick  
3:40PM LGA personnel returning to Tower from emergency site.  
3:55PM Coordinate Arrival of PAT108 at ADW with military  
4:00PM Coordinate transport of passengers of N2 from DCA to FAA headquarters N2 ETA DCA  
1700lcl  
4:07PM Coordinate escort of N2 in to DCA  
4:20PM N7601C Sikorsky out of POU – normal operation  
4:22PM UAL175 data forwarded into Hdqtrs.  
4:25PM Discussion with HQ on medevac discrete beacon code and we can allow to let them go  
██████████ LTC Mahoney will be called to make sure that  
4:28PM ██████████ in New Orleans people being trained in CISD  
4:30PM ██████████ not to be used per LTC Atkins  
4:32PM Change Advisory 41 (Amendment): After law enforcement and Emergency evacuation flight in NAS  
4:32PM "WILD" flight to intercept N2  
4:33PM UAL175 data received by Hdqtrs  
N2 ETA 27 minutes at DCA given to Hdqtrs from ASDE  
4:34PM Effective immediately USA Flights Civil and foreign Civil in NAS prohibited except  
IAW Advisory 041 as amended  
4:35PM BWI advised to call on radar data request  
4:35PM POU N  
AAL11 #2  
UAL 175 #3  
Per McCormick ELT first heard before AAL11 hit  
4:38PM Request JFK UAL175 off and UAL176 and off times; UAL175 1215Z out of BOS  
4:38PM Request JFK to review strips for UAL flights from JFK to BOS  
4:39PM ZNY AAL11 #2 Aircraft  
UAL175 #3 Aircraft  
Reports will have all information in 30 minutes  
4:45PM Mayor YYZ called for 2 medevac helicopters from YYZ to ██████████  
Need call signs for Medevac aircraft – approval from Canoles  
4:46PM 2 Helicopters from ██████████ Mayor's Office  
Call Rick Hostelter  
4:54PM ZNY upload AAL11 done  
UAL175 north 35 miles out  
4:55PM NORAD will request flight tracks from Origin to impacts.  
N2 on deck DCA  
4:55PM UAL175 into WTC per McCormick ZNY  
5:05PM POU N7601S departed at 1203Z went to Wall Street left Wall St. at about same time of  
incidents at WTC wnt to BOS; at this time is on the ground in BOS.  
5:10PM Millville AFSS and ACY ATCT tapes – screaming at 1228Z Millville and 1215Z ACY.  
5:11PM ETMS Data will be stopped per Salim Haber AEA-401  
5:18PM UAL93 N591UA B757-200  
AAL77 N644AA B757  
AAL11 N334AA B767-200  
UAL175 N612UA B767-200

UAL93 EWR-SFO confirmed changed DCA as destination in ZOB information passed to Sprague to Canoles

CGIMT Toronto Medivac out of YYZ

5:23PM Controller input to change to DCA from SFO at ZOB

5:30PM UAL175 changes beacon code  
1470-3020-3321 Sector 42  
SATORI = ZNY\_01\_S11\_8\_R42  
Information per McCormick to Sprague

5:35PM UAL93 Request from VP for data on Aircraft  
Short Summary UA93 JST  
Point of Departure  
Hijack  
FAX [REDACTED]

5:45PM Chronology sent to Canoles and Sprague by Ron Ruggeri; receipt verified

5:53PM 12:46:05Z AA11 radar lost

5:57PM FDC 1/19760 issued NOTAM

UAL93 1247Z depart EWR Beacon Code 1527

6:10PM Crash reported into VA Hospital in Dayton Ohio

VA hospital explosion if VA Hospital in Dayton, possible sonic boom

6:25PM ATCT's open through night, 11 total  
HPN CHO ILG PNE MMU CXY  
POU BGM RDG ISP SBY (unable to remain open due to personnel)

6:28PM House fire in Dayton, Ohio

6:29PM 4 aircraft released by Hqtrs SE to NE:  
N241LA C500 FAY-ADW Multiple trips  
N242LA C500 FAY-ADW Multiple trips  
N160AR BE350 ORF (Oceana) - ADW Multiple trips  
N208DG C208 ORF (Oceana) - ADW Multiple trips

Beacon Codes assigned by Sector

6:30PM NINA off DCA destination JST (GO TEAM)

6:38PM Reporters call in line (202) 493-4190 PIN 3883 (reporters only)

6:50PM ROC (T. Trubiano) distributed Situation Report #1 signed by Dan Noel, Manager, Emergency Operations Staff

6:53PM CDR on AAL77 being run by IAD

6:55PM Light Twin prop heading toward Los Angeles

7:00PM Steve Alagna United Airlines GO TEAM drove to JST

7:02PM AWP update Light Twin out of Orange County 2,000' 3,000' AWACS and F16, watching and LA Approach watching (information from concerned citizen)

7:08PM ZDC advised ENTAP on AAL77 being compiled

7:10PM ZNY update voice on SATORI #8 sent for Hqtrs and AEA

7:10PM AAL9014 FEMA DAL to JFK ETA 82 mins. Coordination complete

7:13PM Headquarters requesting a PIT contact for FBI to review recordings. Drug Enforcement Administration (DEA) not authorized; however, DEA agent Simone is working for FBI.

8:15PM AAL77 radar plot faxed to Canoles.

8:22PM ZNY NTAPs on cemail for Doug Gould, Tony Mello, & Ron Ruggeri.

8:24PM Headquarters inquires whether PIT has radar coverage over Indian Head (IHD) VOR.

8:26PM AEA-505 requesting information, PIT is unable to see over IHD.

8:29PM Marines requesting approval to enter New York City via air. This request was forwarded to Headquarters.

AEA-505 requesting CDR plot from Clarksburg (CKB) ATCT for UAL93, at the request of AAT-201 (Mello).

8:35PM AAL9014 landed JFK. FEMA on board.  
8:46PM ZDC reporting a problem with discrete codes from PHL and ORF approach controls. We advised Headquarters. LTC Atkins looking into situation. LTC Atkins to call ZDC direct.  
9:00PM FDC Advisory 45 recovery for 9/12/01.  
9:09PM AEA-505 reported that CKB Airway Facilities (AF) coming in to pull tapes. AEA-401 advised; MCC calling technician.  
9:35PM AEA-401 (Haber) reported that AF technician will report to CKB at 9:45PM.  
9:36PM Dan Diggins, AAT-201, assumes watch, for AAT-20.  
9:58PM Tony Mello requesting Primary off PIT Plot, RAPTOR shows UA93 SE to Boundary; for FBI. PIT Advised.  
10:20PM ZNY faxing rough transcripts on UAL and AAL  
11:00PM AEA-1 decided that the Regional Office will be closed 9/12, AAT-20 advised.  
11:15PM CKB Data unable to transmit, disk being driven to PIT ETA approximately 9/12/01  
12:45AM Pelkowski notified of disk coming. AAT-20 Jeff Logue advised.  
11:26PM Bill Buck asked about planes in P56, Jim Slate said Secret Service aware, military fighter without transponder. Relayed back to Bill Buck.  
11:30PM ZNY McCormick advised that local police are at Long Island radar sites.  
11:32PM No data to be released to anyone but Dave Canoles per AAT-20  
00:01AM 12 September 2001  
00:07AM Aircraft over Fredericksburg, VA? (inquiry). RIC, IAD, DCA show nothing  
00:32AM HDQ CMD Center - 253 flights landed in Canada  
requesting US Airports, JFK, EWR, ATL, CHI, SFC, DET, DAL, MIA  
00:38AM From Rick inquiry to Bob Napurano - 253 flights in Canada - when does PONYA  
anticipate to be open for operations?  
00:56AM HDQ CMC inquiry. How many flights have been authorized outside of those specifically  
identified, DOT, DOD, LAW, LIFE i.e. response teams using other than Lifeguard  
Callsigns. AEA has none, so far.  
01:17AM Inquiry to HDQ CMC from FEMA. Any priority being considered for FEMA Response  
Personnel on Airlines when they start to fly tomorrow? CMC advised FEMA to make  
inquiry direct to the Airlines.  
01:33AM Inquiry from SYR - Local LAW Patrol - Air 01 - need Code from ZBW  
Coordinating number [REDACTED] for ZBW  
01:47AM Active Air Defense Scramble off Langley  
01:53AM HDQ CMC needed assistance of FBI Agent - AEA CMC had one sitting in - problem  
was requests coming in for FAA Tape info from Local FBI Offices.  
01:56AM AEA FBI [REDACTED] and Local FBI Office of procedure to put all requests through  
AAT-20,  
02:01AM Request from Linden NJ Airport to land Airforce Flight from Dobbins AFB, also  
requesting ground support, transportation etc. Mike Sammartino advised unable to  
validate time or flight, we have no knowledge of active flight at this time.  
02:13AM Request coordinated through HDQ CMC from NY FBI Office for copy of All voice tapes  
of ATC Communications on all four Aircraft AA 11 BOS (T), ZBW UA 175 BOS  
(T), ZBW, ZNY UA 93 EWR (T), N90, ZNY; ZOB AA 77 IAD, DCA, ZDC, ZID  
All Facilities notified of above request  
02:27AM DCA advised a REACH FLT over Ohio requesting to land ADW is being diverted to  
DOV - Info is one of the Cabinet Sect is aboard.  
02:32AM PONYA advised that no estimate of opening times can be given until after morning  
coordination meeting at 6 AM local.  
02:40AM Rick advised IAD call in someone on OT to assist with above Tape request. One problem  
is tape is locked up in secure cabinet.

02:40AM HDQ CMC advised National Alert from FBI in Miami for two vehicles – a 1989 Red Pontiac 2 Door and a 2001 Olds Tan 4 door.

02:43AM HDQ CMC Expecting National Security Plan for Aviation by 4 AM. Administrator and Staff to meet at 8 AM on Plan. Operational brief to follow at 9 AM.

02:55AM Police Sgt from NY reported Cell Phone report of Commercial A/C heading east toward the Hudson River.

03:00AM ALB (T) states a C 17 arrived.

03:01AM M. Grant saved info Sept 11 Chronological (Log) to new disk 911 Disk 2 and also to "C" Drive.

03:30AM RIC reported fast moving primary target in their airspace.

03:32AM Target later Identified as a Tanker aircraft which had lost transponder

03:56AM IAD reported slow moving primary target vicinity of Casanova.

04:13AM Per TV News Release two numbers for checking on or reporting casualty in NYC, [REDACTED] NY Autotorium, NYPD [REDACTED]

04:20AM IAD reports attempt to provide requested voice tape failed - recorder OTS. EWR reports requested tape is locked up in safe.

04:31AM HDQ CMC requested what facility manning we expected this morning. Rick advised approaching normal. AEA would update after morning roundup approx. 5:30 AM.

04:40AM Mike Sammartino gave all facilities on Conference phone heads up that a Facility Manning roundup would start approx. 5 AM.